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| FORM PTO-1390 (REV. 02-2005) | | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | | ATTORNEY'S DOCKET NUMBER 40072-0028 | |
| TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371 | | | | U.S. APPLICATION NO. (if known, see 37 CFR 1.5) 10/561212 | |
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| INTERNATIONAL APPLICATION NO. PCT/JP2004/008727 | | INTERNATIONAL FILING DATE June 21, 2004 | | PRIORITY DATE CLAIMED June 20, 2003 | |
| TITLE OF INVENTION PRODUCT OF COPRECIPITATION OF SPARINGLY SOLUBLE SUBSTANCE AND WATER-SOLUBLE POLYMER AND PROCESS FOR PRODUCING THE SAME | | | | | |
| APPLICANT(S) FOR DO/EO/US Toyoaki ISHIKURA; Chikako UDAGAWA; Masato MISAKA; Kenji SUEMUNE; Shinichi KITAHARA; Kiyoko ONO; Akihiro KOYANAGI | | | | | |
| Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information: | | | | | |
| <ol style="list-style-type: none"> 1. <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a filing under 35 U.S.C. 371. 2. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371. 3. <input type="checkbox"/> This express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below. 4. <input checked="" type="checkbox"/> The US has been elected (Article 31). 5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)) <ol style="list-style-type: none"> a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau). b. <input checked="" type="checkbox"/> has been communicated by the International Bureau. c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US). 6. <input checked="" type="checkbox"/> A English language translation of the International Application as filed (35 U.S.C. 371(c)(2)). <ol style="list-style-type: none"> a. <input checked="" type="checkbox"/> is attached hereto. b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4). 7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) <ol style="list-style-type: none"> a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> had been communicated by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input checked="" type="checkbox"/> have not been made and will not be made. 8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). 9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). 10. <input type="checkbox"/> An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)). | | | | | |
| Items 11 to 20. below concern document(s) or information included: | | | | | |
| <ol style="list-style-type: none"> 11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98. 12. <input checked="" type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included 13. <input checked="" type="checkbox"/> A preliminary amendment. 14. <input checked="" type="checkbox"/> An Application Data Sheet under 37 CFR 1.76. 15. <input type="checkbox"/> A substitute specification. 16. <input type="checkbox"/> A power of attorney and/or address letter. 17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 132 and 37 CFR 1.821-1825 18. <input type="checkbox"/> A second copy of the published international application under 35 U.S.C. 154(d)(4) 19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4). 20. <input checked="" type="checkbox"/> Other items or information: Copy of PCT/ISA/210; PCT/IB/308; PCT/IB/301; PCT/IB/304 | | | | | |

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| U.S. APPLICATION NO. (IF KNOWN, SEE 37 CFR 1.2) | | INTERNATIONAL APPLICATION NO. | | ATTORNEY'S DOCKET NUMBER | |
| 10/561212 | | PCT/JP2004/008727 | | 40072-0028 | |

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| 21. The following fees are submitted: | | | | CALCULATIONS PTO USE ONLY | |
| <input checked="" type="checkbox"/> | a) Basic national fee..... | \$300.00 | | | |
| <input checked="" type="checkbox"/> | b) Examination fee | \$200.00 | | | |
| <input checked="" type="checkbox"/> | c) Search fee..... | \$500.00 | | | |
| TOTAL OF ABOVE CALCULATIONS = | | | 900.00 | | |
| <input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof. | | | | | |
| TOTAL SHEETS | EXTRA SHEETS | NUMBER EXTRA (of each additional 50 or fraction thereof rounded up to a whole number) | RATE | | |
| -100 = | 50 = | | x \$250.00 | | |
| Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)). | | | | | |
| CLAIMS | NUMBER FILED | NUMBER EXTRA | RATE | | |
| Total claims | 15 - 20 = | 0 | x \$50.00 | | |
| Independent claims | 1 - 3 = | 0 | x \$200.0 | | |
| MULTIPLE DEPENDENT CLAIM(S) (if applicable) | | | + \$360.0 | | |
| <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2. | | | | | |
| SUBTOTAL = | | | | 900.00 | |
| Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)). | | | | + | |
| TOTAL NATIONAL FEE = | | | | | |
| Fee for recording the enclose assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property | | | | 40.00 | |
| TOTAL FEES ENCLOSED = | | | | 940.00 | |
| | | | | Amount to be refunded: | \$ |
| | | | | Amount to be charged: | \$ |

a. ☒ A check in the amount of \$940.00 to cover the above fees is enclosed.

b. ☐ Please charge my Deposit Account No. _____ in the amount of _____ to cover the above fees.

A duplicate copy of this sheet is enclosed.

c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment To Deposit Account No. 08-1641 A duplicate copy of this sheet is enclosed.

d. ☐ Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.

SEND ALL CORRESPONDENCE TO:

Customer No.: 26633

SIGNATURE

John P. Isacson

John P. Isacson, Reg. No. 33,715

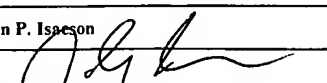
NAME _____ Date _____

REGISTRATION NO.: 33,715 December 19, 2005

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| COMBINED FEE TRANSMITTAL for FY 2005 <i>Effective 12/08/2004. Patent fees are subject to annual revision.</i> | | 194561212 19 DEC 2005 IAP9 Rec'd PCT/PTO | |
| PTO/SB/17 (12-04) (Revised) (For payment of 37 CFR 1.17 fees including (f), (g), (h), & (i)) | | Application Number To be assigned | Filing Date December 19, 2005 |
| | | First Named Inventor Toyoaki ISHIKURA et al. | Examiner Name To be assigned |
| <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27 | | Art Unit To be assigned | Attorney Docket No. 40072-0028 |
| TOTAL AMOUNT OF PAYMENT (\$) 940.00 | | | |

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| METHOD OF PAYMENT (check one) | | FEE CALCULATION (continued) | |
| <input checked="" type="checkbox"/> Check <input type="checkbox"/> Deposit Account | <input type="checkbox"/> Credit card <input type="checkbox"/> Money Order <input type="checkbox"/> Other <input type="checkbox"/> None | 4. PETITION FEES UNDER 37 CFR 1.17 (f) Fee Code: 1462 Fee \$ 400 For petitions filed under: § 1.53(e); § 1.57(a); § 1.182; § 1.183; § 1.378(e); § 1.741(b) | |
| Deposit Account Number: 08-1641 | | 5. PETITION FEES UNDER 37 CFR 1.17 (g) Fee Code: 1463 Fee \$ 200 For petitions filed under: § 1.12; § 1.14; § 1.47; § 1.59; § 1.103(a); § 1.136(b); § 1.295; § 1.296; § 1.377; § 1.550(e); § 1.956; § 5.12; § 5.15; § 5.25 | |
| Deposit Account Name: Heller Ehrman White & McAuliffe LLP | | 6. PETITION FEES UNDER 37 CFR 1.17 (h) Fee Code: 1464 Fee \$ 130 For petitions filed under: § 1.19(g); § 1.84; § 1.91; § 1.102(d); § 1.138(c); § 1.313; § 1.314 | |
| The Commissioner is authorized to: (check all that apply) <input type="checkbox"/> Charge fee(s) indicated below <input checked="" type="checkbox"/> Credit any overpayments and charge any deficiencies <input type="checkbox"/> Charge any additional fee(s) during the pendency of this application <input type="checkbox"/> Charge fee(s) indicated below, except for the filing fee to the deposit account | | 7. PROCESSING FEES UNDER 37 CFR 1.17 (i) Fee Code: 1808 (1803 for § 1.221) Fee \$ 130 For petitions filed under: § 1.28(c)(3); § 1.41; § 1.48; § 1.52(d); § 1.53(b)(3); § 1.55; § 1.99(e); § 1.103(b); § 1.103(c); § 1.103(d); § 1.217; § 1.221; § 1.291(c)(5); § 1.497(d); § 3.81 | |

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| FEE CALCULATION | | | | | | | | 8. OTHER FEES | | | | |
| 1. BASIC FILING, SEARCH, AND EXAMINATION FEES | | | | | | | | Entity Fee (\$) 130 | Entity Fee (\$) 65 | Fee Description Surcharge - late filing fee or oath | Fee Paid | |
| | FILING FEES | | SEARCH FEES | | EXAMINATION FEES | | | | | | | |
| Application Type | Entity Fee (\$) | Small Entity Fee (\$) | Entity Fee (\$) | Small Entity Fee (\$) | Entity Fee (\$) | Small Entity Fee (\$) | Fees Paid (\$) | | | | | |
| Utility | 300 | 150 | 500 | 250 | 200 | 100 | 900.00 | 2,520 | 2,520 | For filing a request for <i>ex parte</i> reexamination | | |
| Design | 200 | 100 | 100 | 50 | 130 | 65 | | 920* | 920* | Requesting publication of SIR prior to Examiner action | | |
| Plant | 200 | 100 | 300 | 150 | 160 | 80 | | 1,840* | 1,840* | Requesting publication of SIR after Examiner action | | |
| Reissue | 300 | 150 | 500 | 250 | 600 | 300 | | 120 | 60 | Extension for reply within first month | | |
| Provisional | 200 | 100 | 0 | 0 | 0 | 0 | | 450 | 225 | Extension for reply within second month | | |
| SUBTOTAL (1) | | | | | | | 900.00 | 1,020 | 510 | Extension for reply within third month | | |
| 2. EXTRA CLAIM FEES | | | | | | | | 1,590 | 795 | Extension for reply within fourth month | | |
| Entity Fee (\$) | Small Entity Fee (\$) | | Fee Description | | | | | 2,160 | 1,080 | Extension for reply within fifth month | | |
| 50 | 25 | | Each claim in excess of 20 or, for Reissues, each claim in excess of 20 and more than in the original patent | | | | | 500 | 250 | Filing a brief in support of an appeal | | |
| 200 | 100 | | Each Independent claim in excess of 3 or, for Reissues, each independent claim more than in the original patent | | | | | 790 | 395 | Filing a submission after final rejection (37 CFR 1.129(a)) | | |
| 360 | 180 | | Multiple dependent claim, if not already paid | | | | | 1,510 | 1,510 | Petition to institute a public use proceeding | | |
| | | | Extra Claims | | Fee from above | | Fee Paid | | 500 | 250 | Petition to revive - unavoidably abandoned application | |
| Total Claims | 15 | -20** = | 0 | x | | = | | 1,500 | 750 | Petition to revive - unintentionally abandoned application | | |
| Independent Claims | 1 | -3** = | 0 | x | | = | | 50 | 50 | Processing fee for provisional appls (37 CFR 1.17(q)) | | |
| **or number previously paid, if greater; For Reissues see below | | | | | | | | 180 | 180 | Submission of Information Disclosure Statement | | |
| Multiple Dependent | | | | | | | | 1,000 | 500 | Request for oral hearing | | |
| SUBTOTAL (2) | | | | | | | | 790 | 395 | For each additional invention to be examined (37 CFR 1.129(b)) | | |
| 3. APPLICATION SIZE FEE | | | | | | | | 790 | 395 | Request for Continued Examination (RCE) | | |
| If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof (round up to the whole number). See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s) | | | | | | | | 900 | 900 | Request for expedited examination of a design application | | |
| | | | | | | | | Other fee (specify): Assignment | | 40.00 | | |
| Total Sheets | | Extra Sheets | | Number of each additional 50 | | Fee (\$) | | SUBTOTAL (4+5+6+7+8) | | 40.00 | | |
| | -100 = | | /50 = | | x 250 | OR | x 125 | * Reduced by Basic Filing Fee Paid | | | | |
| SUBTOTAL (3) | | | | | | | \$ | | | | | |

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| SUBMITTED BY | | | | Complete (if applicable) | | | |
| Name (Print/Type) John P. Isacson | | Registration No. (Attorney/Agent) 33,715 | | Telephone 202-912-2000 | | | |
| Signature  | | Date December 19, 2005 | | Customer No. 26633 | | | |